

Project:	Project Leader	Age Requirements	Other Requirement	Project Description	Meeting Dates	Meeting Type
Ag Discovery	Sonna Dhamrait & Leigh Chan	Regular member (ages 9+)	If project meetings are in person, junior members might be asked to bring a parent to tours	This is a project where members will explore different agriculture and animal science careers in California through tours and interactive activities. Members will gain a broader understanding of careers offered to them and the impact those jobs have on our daily lives	Saturdays, details TBD	Online
Archery	Doug Graver	Regular members (Age 9+)		Learn about the sport, equipment, safety and accurate shooting in this County-level Shooting Sport. See Doug for details on enrollment.	2nd Sunday of the month @ 9 AM	Online
Art for middle or high school	Jeanette Dreifurst	Intermediate and senior members (Age 11+)	Middle school and above	The Art Project will encompass many different techniques and forms of drawing/painting. The project is open to 12 participants, and must be in 6th grade or higher. Members of the Art Project will work to show in an Art Show and compete at County Fair.	2nd Friday of the month @ 7 PM	Online
Arts & Crafts: Primaries	Wendy Farnden	Primary Members (Age 5-8)		Open to primary members only. We will be doing creative projects and working on fine motor skills through art.	3rd Friday of the month @ 3:30pm	Online
Baking	Bridget Farnden	Regular members (Age 9+)		In this project I will be going through the basics of baking. We will learn proper measuring techniques, kitchen safety, and many delicious recipes. We will be making many delicious baked goods and I can't wait to share my love of baking with you.	1st Friday of the month @ 6 PM	Online
Beginning Beekeeping	Catherine Corey, Tod Rubin & Cara Rubin	Regular members (Age 9+)	Parents encouraged	This project is for members who have an interest in bees and beekeeping but don't have a hive or are thinking of starting up a backyard hive. We will be learning about bee ecology and behavior, hive management, honey types and honey recipes, and gardening for pollinators. If our club hive produces enough honey for a 2021 spring harvest, we will have an in-person honey harvest. Note that beekeeping is a family hobby! No prior experience with bees necessary.	1st Saturday of the month @ 10 AM	Online
Beginning 4-H	Kari Paulsey	All members	First year members only	We orient new members to the opportunities within 4H. Learn by doing and participating to get the most out of 4H. We go over the 4H lingo, explain all 4H events, how to earn awards, train how to start record books and show you the 4H presentation format. We encourage and explain all aspects of 4H so that you will have a better understanding.	1st Tuesday of the month @ 6 PM	Online
Biodiversity	Vidhya Govindan	Regular members (Age 9+)	Members should be willing to be an ambassador in their school in a year or two after joining this project	The purpose of the project is to give the members enrolled about the data and information about food choice and they can become their own ambassador to talk about our environment and biodiversity in their schools. And also this project will be beneficial for translating biodiversity information to science and society through varied and novel means, including workshops, curricula, e-learning initiatives, innovative technologies, exhibits and other public programs, scholarly publications and policies relevant to accelerating discovery of biodiversity and solving major environmental issues.	2nd Friday of the month @ 7 PM	Online
Bullet Journaling and Calligraphy	Leigh Chan & Sonna Dhamrait	Intermediate and senior members (Age 11+)	Members will need to purchase their own journal (\$10-\$30 depending on quality) and a pen.	We will teach members how to create their own personalized journals and how to utilize them to better organize activities in their lives. We will also teach basic calligraphy skills using brush pens and various other pens. They can spend more if they want to, but they essentially only need a pen and journal. Meetings will be held on Sunday early afternoons via Zoom.	Sunday afternoons (details TBD)	Online
Farm Animal Fun & Learning	Briana Farnden	Primary Members (Age 5-8)	Will be done in two pods. Pod 1: October, November, December, January. Pod 2: February, March, April, May. <i>Will extend to June if a meeting has to be cancelled due to weather.</i>	We will learn about a variety of farm animals. In the past we have seen miniature horses, goats, pigs, llamas, sheep, chickens, and more! Masks and social distancing will be required at all meetings, regardless of member age. Parents must remain outside of the meeting location as we may not have more than 10 people per meeting.	3rd Sunday of the month @ 4 PM	In-person (limited to 14 members)
Goats - Meat	Susan Austin	Regular members (Age 9+)	Costs vary but expect between \$500 - \$800 in upfront expenses (goat, feed, supplies).	We will gain hands on experience in all phases of raising a goat for market viability. We will learn about nutrition and health and how to successfully present your goat in the show ring. This will lead our entire group up to fair for showmanship and auction day. Members will be responsible for the daily care and needs of their animal. Members receive proceeds for the auction upon sale of their goat, which can potentially cover all or a portion of expenses.	TBD	Online initially. In person starting January.
Hiking	Susan Austin & John Rieth	All members	Must be able to hike 5 miles, elementary school members require parent on hikes	Hikes are typically around 4-6 miles with 600 - 1200 feet elevation gain, lasting about 2-3 hours. Adults are welcome and encouraged to hike too. We learn basic hiking safety and how to read trail maps, but mostly just enjoy the outdoors. Friendly hiking dogs welcome on most trails.	1st meeting Oct 18 @ 4pm, other dates TBD	Online initially, hope to transition to in person
Beginning Horse	Catherine Corey & Cara Rubin	Regular members (Age 9+)	A desire to learn about horses but with little to no experience with horses, computer access necessary!	For 2020, this will be a virtual project about horse breeds, colors, markings, and conformation, horse health, grooming, riding tack, and working safely around horses. Our hope is to have an in-person horse day next spring to meet and work with real horses! Project members may need to look at a webinar or video prior to a project meeting - access to a computer is essential for this project. No need to own a horse!	1st meeting: Oct. 4 @ 10 AM, other dates TBD	Online
Leadership	Briana Farnden	Regular members (Age 9+)	All Officers will be automatically enrolled	Everyone has the potential to be a great leader. We will cover a variety of topics to help members understand their leadership style, learn to be accountable, develop their communication skills, and learn to work effectively in teams (even with social distancing related barriers!)	3rd Thursday of the month @ 6PM	Online
Outdoor Cooking	John Rieth	intermediate and senior members (Age 11+)		Learn outdoor cooking skills and great recipes- learn how to cook over an open fire, using a Dutch oven, and a gas-powered stove	Sept. 30, Oct. 21, Nov. 18, Jan. 20, Feb. 17, Mar. 17, Apr. 21	Online

Photography	Raji Matha	Regular members (Age 9+)	Parent required to attend for younger members	Explore techniques for improving every day photos (people, nature, scenic, macro, still life). Projects will include a mini lesson or technique followed by hands-on photo sessions in the field. Each project member will submit one or more photos to the Contra Costa County Fair for judging. The fair does award cash prizes for winners! Geared toward digital photography using any digital camera including cell phone, compact digital camera or SLR. New this year we will emphasize more technique, both how to take better photos with any camera and also how to use your DSLR (if you have one). At our final meeting, the project will create some small group presentations to present at the community meeting to earn credit toward the communications category for star ranking. We will also have the opportunity for photo judging (also communications for star rank) at the community meeting.	3rd Sunday of the month @ 10 AM	Online
Poultry	Harriet Haibeck	Regular members (Age 9+)	Primary members (age 5-8) must be accompanied by an adult	We will learn all about poultry. Learn about showmanship and prepare and compete in the County Fair. We will also go to the Pacific Poultry Breeders Association Show in January and hopefully visit a Poultry ranch.	2nd Tuesday of the month @ 7 PM	Online
Programming	Vidhya Govindan	Regular members (Age 9+)	No experience necessary, beginners welcome	Beginners will have the ability to come in and learn basics of mobile app development to quickly be able to develop their first app and share it with the world while more experienced developers can come to get assistance on their projects, team up with other members to work on more advanced applications, or hone their skills with the assistance of our advisor and their peers.	2nd Saturday of the month @ 3 PM	Online
Public Speaking	Cheryl Loughery	Regular members (Age 9+)	No experience necessary	Members will learn and practice skills for speaking in front of an audience. The goal would also be for members to prepare a presentation for the County Presentation Day.	2nd Tuesday of the month @ 7 PM	Online
Rabbit - Beginning	Patty Valentine	All members	Parent required to attend for primary members (5-8 years old)	Learn about general rabbit care for a pet rabbit or show rabbit. Topics will include housing, diet, health, and foster/adoption programs. For those members who are interested, we will also teach about showing, showmanship, and breeding. You do not need to own a rabbit to participate.	4th Tuesday of the month @ 6 PM	Online
Rabbit - Advanced	Kari Paulsey	All members	Must own a rabbit or plan to get one	This is a step up from the beginning rabbit project for those kids who own a rabbit, or are planning to get a rabbit and want to learn more about handling, care, showing, and showmanship.	4th Tuesday of the month @ 6 PM	Online
Roblox Adoptme House Building	Harriet Haibeck	All members		Learn how to make a house with features in Roblox Adoptme. No Roblox experience needed. Participants will need to download Roblox app downloaded on their device and internet.	1st Sunday of the Month @ 4 PM	Online
Robotics	Vidhya Govindan	Regular members (Age 9+)	Cost of supplies for the activities. This will range between \$50-\$100 for the year or \$5-10 per meeting.	This project reviews simple electronics and mechanics with hands-on activities. Along the way we will construct simple robots and cars. Fundraising ideas will be discussed to help cover the supply costs.	2nd Thursday of the month @ 7 PM	Online
Science Exploration	Bree Barnett Dreyfuss	Primary, Junior, and Intermediate Members (ages 5-13)		How is sound made? How do plants grow? How does a circuit work? If you have ever asked these questions or others about science you can try this project. These will be basic experiments meant to spark their curiosities and encourage their exploration into more science.	2nd Tuesday of the month @ 6 PM	Online
Sewing	Julie Albert	Regular members (age 9+) and Primary members ages 6-8 with parents joining zoom call	Needs to have access to a sewing machine	Open to all levels of sewing experience. A sewing machine is required. Possible projects: stuffed animals/pillows, beginning quilting project (piecing), Community Giving project.	First meeting: Oct. 16 @ 7 PM, other meetings will most likely be on the 2nd Friday of the month. Final dates will be given at the first meeting.	Online
Sheep	Susan Austin	Regular members (age 9+)	Members will be responsible for the daily care and needs of their animal. Costs vary but expect between \$500 - \$800 in upfront expenses (lamb, feed, hay).	We will gain hands on experience in all phases of raising a lamb for market viability. We will learn about nutrition and health and how to successfully present your lamb in the show ring. This will lead our entire group up to fair for showmanship and auction day. Members receive proceeds for the auction upon sale of their animal, which can potentially cover all or a portion of expenses.	TBD	Online initially. In person starting January
Sphero Robotics	Harriet Haibeck	Regular members (age 9+)	Participants will need to purchase a Sphero Mini ball and have access to a bluetooth enabled device such as a tablet or cellphone.	This project will explore different programming and robotics related topics with the Sphero Mini ball.	1st Sunday of the month @ 2 PM	Online
STEM	Vidhya Govindan	Regular members (age 9+)		Our motto is "Curiosity Unleashed", and we use an unstructured, student-led process that asks participants to stretch their creativity and use their critical thinking skills. STEM education removes the traditional barriers erected between the four disciplines by integrating them into one cohesive teaching and learning paradigm. Today, new innovations and inventions tend to be made at the boundaries of these four disciplines, where they naturally overlap. A STEM-literate student is not only an innovator and critical thinker, but is able to make meaningful connections between school, community, work and global issues. Project members will get to learn experiments in Maths, Chemistry, Physics, Robotics and Computer Science. This project will also take care of sending out STEM NEWSLETTER to our club monthly.	3rd Friday of the month @ 7 PM	Online
Swine	Gretchen Montague	Regular members (Age 9+)		The swine project teaches participants proper methods of selecting, feeding, & raising market swine, in addition to basic anatomy and diseases. There will be a special concentration on teaching each individual the mechanics of showmanship. Space is limited to keep hogs at Lindsay Farm.	First Wednesday of the month at 6:00 PM	Online

Vet Science - Adv	Elisa Dowd	Age 14+	OR completed two years of Vet. Science	This year we will be using the CATA (California Agricultural Teachers Association) Curriculum to prepare for the competition at the Ag Field Day at UC Davis the first Saturday in March in the veterinary science division. Members need to be at least 14 or in high school to compete, although members who have completed 2 years in the vet science project may participate except for in the competition. High school aged members should plan on being available all day on March 2, the day of the competition at UC Davis.	3rd Wednesday of the month @ 7:30 PM	Online
Vet Science - Beg	Elisa Dowd	Regular members (Age 9+)		We will be using the state-provided curriculum on vet science, as well as other activities, to study veterinary science and biosecurity. This project is open to members ages 9/in fourth grade and up.	2nd Wednesday of the month @ 7:30 PM	Online